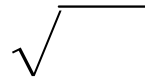


- Tissues
- Go over homework
- Quiz on Tuesday

Sep 7-9:22 AM

Radical Review



Sep 7-9:21 AM

$$\sqrt{36}$$

Handwritten red annotations showing the prime factorization of 36:

36 is broken down into 9 and 4. 9 is further broken down into 3 and 3. 4 is further broken down into 2 and 2. The final result is $3 \cdot 2 = 6$.

Sep 7-11:53 AM

$$\sqrt{25}$$

Sep 7-11:53 AM

$\sqrt{50}$

 $5\sqrt{2}$

50

 $25 \cdot 2$

Sep 7-11:53 AM

$\sqrt{56}$

 $2\sqrt{14}$

56

 $2\sqrt{14}$

Sep 7-11:53 AM

$\sqrt{45}$

Sep 7-11:53 AM

$\sqrt{512}$

 $16\sqrt{2}$

512

 $16\sqrt{2}$

Sep 7-11:53 AM

Do:

- $\sqrt{243}$ $9\sqrt{3}$
 $9 \cdot 27 = 243$
 $3 \cdot 81 = 243$
 $3 \cdot 9 \cdot 9 \cdot 3 = 243$
- $\sqrt{400}$ 20
 $4 \cdot 100 = 400$
 $25 \cdot 16 = 400$
 $5 \cdot 80 = 400$
- $\sqrt{75} = 5\sqrt{3}$

Sep 7-11:53 AM

Variables

$$\sqrt{75a^2b^3c^6}$$

$a \cdot a$
 $b \cdot b \cdot b$
 $c \cdot c \cdot c \cdot c \cdot c \cdot c$

$$5abc^3\sqrt{3b}$$

Sep 7-11:53 AM

$$\sqrt{a^2b^2}$$

ab

Sep 7-11:53 AM

$$\sqrt{8a^2b^2}$$

8

$$2ab\sqrt{2}$$

Sep 7-11:53 AM

$$\sqrt{a^2 + b^2}$$

Sep 7-11:53 AM

Multiplication

$$\sqrt{5}$$

$$\sqrt{10}$$

$$\sqrt{50}$$
$$5\sqrt{2}$$

outside x outside
inside x inside

Sep 7-11:53 AM

$$3\sqrt{6} \cdot 4\sqrt{5}$$

$$12\sqrt{30}$$

Sep 7-11:53 AM

$$\sqrt{32} \cdot \sqrt{8}$$

$$4\sqrt{2} \cdot 2\sqrt{2}$$

$$8\sqrt{4}$$

$$16$$

Sep 7-11:53 AM

Add/Subtract

$$7\sqrt{2} + 5\sqrt{2} + 3\sqrt{3}$$

$$12\sqrt{2} + 3\sqrt{3}$$

Combine like terms

Sep 7-11:53 AM

$$7\sqrt{6} - 5\sqrt{24}$$

$5 \cdot 2\sqrt{6}$

$$7\sqrt{6} - 10\sqrt{6}$$

$$-3\sqrt{6}$$

$$\sqrt{24}$$

$4 \cdot 6$
 $2 \cdot 12$
 $2\sqrt{6}$

Sep 7-11:53 AM

Do:

$$1. \quad 2\sqrt{8} \cdot 4\sqrt{3}$$

$$2. \quad \frac{\sqrt{16}}{\sqrt{8}}$$

$$3. \quad \frac{\sqrt{5x^4}}{\sqrt{3}}$$

$$4. \quad 8\sqrt{5} - 2\sqrt{45} + 4\sqrt{8}$$

Sep 7-12:15 PM

Assignment
p745 1-18
not 15 and 16

1-8

Sep 11-7:24 AM